

**Item 3.** The system for lighting of an object in accordance with Item 1 distinguished by the following: the first (third) guidance device has the first target seeker, the fifth and the sixth actuators, the first and the second angular position pickup, kinematically connected with each other. Inputs of the angular position pickups serve, at the same time, as the corresponding first and second output of the guidance device, which, in addition, has the first search signal conditioner and the third and the fourth commutator. The first outputs of these commutators are connected respectively to the first and the second output of the target seeker, whose first, second and third output is connected to the corresponding inputs of the search signal conditioner. The first and the second output of the search signal conditioner are connected to the third inputs, while its third output - to the paralleled second inputs of the third and the fourth commutator, the outputs of which, are, in turn, connected to the corresponding inputs of the fifth and the sixth actuators.

**Item 4.** The system for lighting of an object in accordance with Item 1 and Item 2 distinguished by the following: the second guidance device has a target seeker equipped with a light marker (or a corner reflector), the seventh and the eighth actuators, the third and the fourth angular position pickups, whose outputs are at the same time the first and the second output of the guidance device, the fifth - eleventh commutators and the second search signal conditioner. The first inputs of the fifth, sixth and seventh commutator are connected to the corresponding first, second and third output of the target seeker, while the third inputs to the corresponding fourth, fifth and sixth output of the second target seeker. The first and the second output of the target seeker serve, at the same time, as the third and the fourth output of the guidance device. Besides, the second inputs of the abovementioned commutators are paralleled with the second inputs of the tenth and the eleventh commutator and serve as the commutation input of the guidance device, while the outputs of the fifth, sixth and seventh commutator are connected respectively to the first, second and third input of the second search signal conditioner, whose first and second output are connected respectively to the third inputs of the eighth and the ninth

inputs of the first and the second modulators are connected respectively to the first and second output of the quadrature oscillator. Besides, outputs of the first and the second summer are connected respectively to the inputs of the first and second analog-to-digital converter, while inputs and the output of the logical unit together with outputs of the analog-to-digital converters are respectively the inputs and outputs of the controlling signal conditioner.

**Item 8.** The system for lighting of an object in accordance with Item 1, Item 2, and Item 7 distinguished by the following: the first guidance device, optically bound with an object, is equipped with the first target seeker kinematically attached through the first and the second bracket to the fifth and the sixth actuators and respectively to the first and the second angular position pickup. The second guidance device, optically bound with the source of radiation, includes the second target seeker, kinematically attached through the third and the fourth bracket with the seventh and the eighth actuators and the third and the fourth angular position pickup. The first mirror kinematically attached to the first actuators is fixed on the internal frame of the first gimbal mount, the external frame of which is kinematically attached to the second actuators. The system also includes the second gimbal mount, which consists of the internal and external frame kinematically bound respectively to the third and the fourth actuators. The external frame of the second gimbal mount is joined to the concentric ring, on which the second mirror is fixed.

**Item 9.** The system for lighting of an object in accordance with Item 1 distinguished by the following: the second mirror is made in the form of two rings concentric on the outer ring of the gimbal mount and on the attached to it the internal and external pneumatic chamber pneumatically joined by radial tubes to each other and to the source of compressed gas (air). The pneumatic chambers and the radial tubes are connected with a reflecting sheet, which consists of an elastic dielectric film, coated with a light reflecting metal cover (e.g., aluminium).